

APPENDIX C
SUMMARY OF LAND USE UNDER
SHAW AFB ASSOCIATED AIRSPACE

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Route descriptions and land use summaries are included for the Military Training Routes (MTRs). A table containing special use areas and responsible management agencies is also provided. These tables list all special use areas under each applicable airspace, regardless of the amount underlying the airspace. For each of the Military Operations Areas (MOAs), the boundary descriptions and altitudes are summarized along with a special use area table. A land use summary for the Restricted Area is also provided.

The MTR route description and MOA boundary and altitude information was derived from the *DoD Flight Information Publication Area Planning Military Training Routes*, March 2001. The information described in the special use area tables was derived from Geographic Information System (GIS) data (Loyola 2002).

MTRs

IR-002

Route Description:

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 60 MSL to	A	VXV 288/38	N36°04'00.00" W84°39'00.00"
05 AGL B 60 MSL to	B	VXV 332/42	N36°30'00.00" W84°20'00.00"
01 AGL B 60 MSL to	C	VXV 15/34	N36°28'00.00" W83°45'00.00"
01 AGL B 60 MSL to	D	VXV 65/34	N36°10'00.00" W83°17'00.00"
03 AGL B 60 MSL to	E	VXV 82/31	N36°00'00.00" W83°16'00.00"
03 AGL B 90 MSL to	F	VXV 102/33	N35°49'00.00" W83°14'00.00"
03 AGL B 90 MSL to	G	VXV 115/37	N35°40'00.00" W83°11'30.00"
03 AGL B 90 MSL to Exit at 90 MSL	H	VXV 124/41	N35°33'00.00" W83°10'00.00"

Route Width:

5 nautical miles (NM) either side of centerline for the entire route.

Land Use Summary:

IR-002 is located in eastern Tennessee where forestry, coal mining, agriculture, and small rural towns are the primary land uses. The MTR overlies numerous special use areas including the Tackett Creek Wildlife Management Area (WMA), Lone Mountain State Forest, Royal Blue

WMA, numerous state and local parks, wildlife areas, and two campgrounds in the eastern portion of the Great Smoky Mountains National Park.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Big South Fork-Inholding	Private
Boy Scout Park	Local
Catoosa WMA	Tennessee Wildlife Resource Agency
Cherokee Park	Local
Cherokee-Inholding	Private
Chuck Swan WMA	Tennessee Department of Environment & Conservation/Tennessee Wildlife Resource Agency
Flack Tract Public Use Area	Tennessee Valley Authority
Ford Swamp	Tennessee Wildlife Resource Agency
Frozen Head State Natural Area	Tennessee Department of Environment and Conservation
Grainger Co. Park	County
Great Smoky Mountains National Park	National Park Service
Lone Mountain State Forest	Tennessee Department of Agriculture
May Springs Public Camping Area	Tennessee Valley Authority
Mullins Island	Tennessee Wildlife Resource Agency
North Cherokee National Forest	U.S. Forest Service
Panther Cr. Park	Local
Rankin Bottom WMA	Tennessee Wildlife Resource Agency
Royal Blue -Inholding	Private
Royal Blue WMA	Tennessee Wildlife Resource Agency
Royal Blue WMA -Inholding	Private
Stiner Woods Small Wild Area	Tennessee Valley Authority
Tackett Creek WMA	Tennessee Wildlife Resource Agency

IR-012**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	ILM 277/20	N34°21'00.00" W78°17'00.00"
05 AGL B 30 MSL to	B	ILM 335/32	N34°48'00.00" W78°13'00.00"
05 AGL B 30 MSL to	C	ILM 13/37	N34°58'00.00" W77°48'00.00"
05 AGL B 30 MSL to	D	NKT 316/30	N35°12'00.00" W77°22'00.00"
05 AGL B 30 MSL to	E	NKT 20/24	N35°18'00.00" W76°47'00.00"
20 MSL to	F	NKT 31/29	N35°21'00.00" W76°39'00.00"
20 MSL to	G	NKT 39/53	N35°39'00.00" W76°21'00.00"
20 MSL to Alternate Exit from E to R-5306A	H	NKT 41/55	N35°41'00.00" W76°16'30.01"
05 AGL B 30 MSL to	E1	NKT 20/24	N35°18'00.00" W76°47'00.00"
15 AGL B 30 MSL to	FA	NKT 30/24	N35°16'30.00" W76°42'00.00"

Route Width:

5 NM either side of centerline from A to B;

4 NM either side of centerline from B to E;

3 NM left and 1 NM right of centerline from E to F;

3 NM left of centerline from F to abeam the NKT 035/34 (N35-25.0 W76-35.3), then 3 NM either side of centerline to H.

Land Use Summary:

IR-012 is located in eastern North Carolina where agriculture, forestry, and small towns are the primary land uses. The MTR overlies the Pocosin Lakes National Wildlife Refuge (NWR) and several state game preserves.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Black River Cypress Forest Preserve	The Nature Conservancy
Goose Creek Game Land	North Carolina Wildlife Resources Commission
Pocosin Lakes NWR	U.S. Fish & Wildlife Service
Pungo River Game Land	North Carolina Wildlife Resources Commission
Sampson County Game Land	North Carolina Wildlife Resources Commission
Turkey Quarter Island Preserve	North Carolina Coastal Land Trust

IR-074**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 70 MSL to	A	SPA VORTAC	N35°02'01.19" W81°55'37.46"
70 MSL to	B	SPA 206/21	N34°43'00.00" W82°06'00.00"
70 MSL to	C	SPA 207/29	N34°36'00.00" W82°10'00.00"
40 MSL B 70 MSL to	D	SPA 208/39	N34°27'00.00" W82°16'00.00"
01 AGL B 40 MSL to	E	SPA 209/61	N34°07'00.00" W82°29'00.00"
01 AGL B 30 MSL to	F	SPA 209/93	N33°39'00.00" W82°46'00.00"
01 AGL B 30 MSL to	G	VNA 33/73	N33°13'00.00" W82°41'00.00"
01 AGL B 30 MSL to	H	VNA 36/27	N32°34'00.00" W83°11'00.00"
30 MSL to	I	VNA VORTAC	N32°12'48.54" W83°29'50.14"

Route Width:

2 NM either side of centerline from A to B;
 5 NM either side of centerline from B to C;
 10 NM either side of centerline from C to H;
 and 2 NM either side of centerline from H to I.

Land Use Summary:

IR-074 extends from Central Georgia to western South Carolina. In both states the primary land uses include agriculture, forestry, and small rural towns. The MTR is located near the urban center of Greenville, South Carolina. IR-074 is located over the Sumter National Forest, and numerous state WMAs. The MTR also overlies Georgia's Alexander Stephens State Historic Park and Hamburg State Park, which offer a variety of recreational opportunities.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
A.H. Stephens State Historic Park	Georgia Department of Natural Resources
Beaverdam WMA	Georgia Department of Natural Resources
Clark Hill WMA	Georgia Department of Natural Resources
Elbert County WMA	Georgia Department of Natural Resources
Fishing Creek WMA	Georgia Department of Natural Resources
Hamburg State Park	Georgia Department of Natural Resources
Ocmulgee WMA	Georgia Department of Natural Resources
Ogeechee WMA	Georgia Department of Natural Resources
Piedmont NWR	U.S. Fish & Wildlife Service
Soap Creek WMA	Georgia Department of Natural Resources
Sumter National Forest	U.S. Forest Service

IR-089/090

Route Description (IR-089):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 60 MSL to	A	GQO 208/32	N34°30'00.00" W85°28'00.00"
01 AGL B 60 MSL to	B	GQO 196/29	N34°30'18.00" W85°19'18.00"
01 AGL B 40 MSL to	C	GQO 139/35	N34°31'00.00" W84°42'00.00"
01 AGL B 60 MSL to	D	GQO 129/41	N34°31'00.00" W84°31'00.00"
01 AGL B 60 MSL to	E	GQO 115/47	N34°37'00.00" W84°18'00.00"
01 AGL B 70 MSL to	F	AHN 323/55	N34°41'00.00" W84°00'00.00"
01 AGL B 70 MSL to	G	AHN 330/36	N34°28'18.00" W83°41'00.00"
01 AGL B 40 MSL to	H	AHN 338/27	N34°22'00.0" W83°32'00.00"
01 AGL B 30 MSL to	I	AHN 10/17	N34°14'00.00" W83°16'00.00"
01 AGL B 30 MSL to	J	AHN 30/17	N34°12'00.00" W83°00'00.00"
50 MSL to	L	GRD VORTAC	N34°15'05.75" W82°09'14.98"

Route Width (IR-089):

5 NM either side of centerline from A to J;
 5 NM left and 3 NM right of centerline J to K;
 3 NM either side of centerline from K to L.

Route Description (IR-090):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 50 MSL to	A	GRD VORTAC	N34°15'05.75" W82°09'14.98"
50 MSL to	B	GRD 263/43	N34°09'00.00" W83°00'00.00"
01 AGL B 50 MSL to	C	AHN 30/17	N34°12'00.00" W83°09'00.00"
01 AGL B 30 MSL to	D	AHN 10/17	N34°14'00.00" W83°16'00.00"
01 AGL B 30 MSL to	E	AHN 338/27	N34°22'00.00" W83°32'00.00"
01 AGL B 40 MSL to	F	AHN 330/36	N34°28'18.00" W83°41'00.00"
01 AGL B 70 MSL to	G	AHN 323/55	N34°41'00.00" W84°00'00.00"
01 AGL B 70 MSL to	H	GQO 115/47	N34°37'00.00" W84°18'00.00"
01 AGL B 60 MSL to	I	GQO 129/41	N34°31'00.00" W84°31'00.00"
01 AGL B 60 MSL to	J	GQO 139/35	N34°31'00.00" W84°42'00.00"
01 AGL B 40 MSL to	K	GQO 196/29	N34°30'18.00" W85°19'18.00"
40 MSL B 100 MSL to	L	GQO 208/32	N34°30'00.00" W85°28'00.00"

Route Width (IR-090)

3 NM either side of centerline from A to B;
 3 NM left and 5 NM right of centerline from B to C;
 5 NM either side of centerline from C to L.

Land Use Summary (IR-089/090):

IR-089/090 is a bi-directional route that extends from northwestern South Carolina across northern Georgia to the border of Alabama. The principal land uses are forestry, agriculture, and scattered rural towns. The MTR passes near portions of the Sumter National Forest in western South Carolina. The MTR overlies several wilderness areas including the Blood Mountain Wilderness and Raven Cliffs Wilderness. The MTR passes over the Savannah River and Richard B. Russell Lake on the border between Georgia and South Carolina. Numerous

state parks underlie the routes including Amicalola, Amicalola Falls, Chattahoochee River, and J.H. Floyd State Parks.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Amicalola Falls State Park	Georgia Department of Natural Resources
Amicalola State Park	Georgia Department of Natural Resources
Arrowhead EEC	Georgia Department of Natural Resources
Blood Mountain Wilderness	U.S. Forest Service
Blue Ridge WMA	Georgia Department of Natural Resources
Broad River Natural Area	Georgia Department of Natural Resources
Chattahoochee National Forest	U.S. Forest Service
Chattahoochee River State Park	Georgia Department of Natural Resources
Chattahoochee WMA	Georgia Department of Natural Resources
Cooper Creek Scenic Area	U.S. Forest Service
Cooper Creek WMA	Georgia Department of Natural Resources
Coosa Bald National Scenic Area	U.S. Forest Service
Coosawattee WMA	Georgia Department of Natural Resources
Dawson Forest WMA	Georgia Department of Natural Resources
Ed Jenkins National Recreation Area	U.S. Forest Service
Elbert County WMA	Georgia Department of Natural Resources
Freeman Tract	Broad River Watershed Association
J.H. Floyd State Park	Georgia Department of Natural Resources
John's Mountain WMA	Georgia Department of Natural Resources
New Echota State Historic Site	Georgia Department of Natural Resources
Odum Tract	Broad River Watershed Association
Otting Tract WMA	Georgia Department of Natural Resources
Piedmont NWR	U.S. Fish & Wildlife Service
Raven Cliffs Wilderness	U.S. Forest Service
Rich Mountain WMA	Georgia Department of Natural Resources
Richard B. Russell State Park	Georgia Department of Natural Resources
Sumter National Forest	U.S. Forest Service
Victoria Bryant State Park	Georgia Department of Natural Resources
Wilson Shoals WMA	Georgia Department of Natural Resources

IR-721/VR-1721**Route Description (IR-721):**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
60 MSL B 80 MSL to or as assigned	A	ROA VORTAC	N37°20'36.38" W80°04'13.65"
60 MSL B 80 MSL to or as assigned	B	ROA 181/17	N37°03'30.00" W80°03'00.00"
03 AGL B 80 MSL to	C	ROA 195/27	N36°53'48.00" W80°11'00.00"
03 AGL B 60 MSL to	D	GSO 336/42	N36°40'00.00" W80°22'00.00"
03 AGL B 50 MSL to	E	GSO 326/34	N36°30'00.00" W80°24'00.00"
03 AGL B 50 MSL to	F	GSO 297/35	N36°17'00.00" W80°38'30.00"
03 AGL B 40 MSL to	G	GSO 249/34	N35°48'30.00" W80°36'40.00"
03 AGL B 30 MSL to	H	GSO 231/27	N35°44'50.00" W80°22'50.00"
03 AGL B 30 MSL to	I	GSO 180/41	N35°21'36.00" W79°56'00.00"
03 AGL B 30 MSL to	J	SSC 24/43	N34°39'00.00" W80°11'18.00"
30 MSL to	K	SSC 24/33	N34°30'00.00" W80°15'00.00"

Route Width (IR-721):

5 NM either side of centerline from A to I;
1 NM left and 9 NM right of centerline from I to J;
on centerline from J to K.

Route Description (VR-1721):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 15 AGL to	A	ROA 181/17	N37°03'30.00" W80°03'00.00"
03 AGL B 15 AGL to	B	ROA 195/27	N36°53'48.00" W80°11'00.00"
03 AGL B 15 AGL to	C	GSO 336/42	N36°40'00.00" W80°22'00.00"
03 AGL B 15 AGL to	D	GSO 326/34	N36°30'00.00" W80°24'00.00"
03 AGL B 15 AGL to	E	GSO 297/35	N36°17'00.00" W80°38'30.00"
03 AGL B 15 AGL to	F	GSO 249/34	N35°48'30.00" W80°36'42.00"
03 AGL B 15 AGL to	G	GSO 231/27	N35°44'48.00" W80°22'48.00"
03 AGL B 15 AGL to	H	GSO 180/41	N35°21'36.00" W79°56'00.00"
03 AGL B 15 AGL to	I	SSC 24/43	N34°39'00.00" W80°11'18.00"

Route Width (VR-1721):

5 NM either side of centerline from A to H;

1 NM left and 9 NM right of centerline from H to I.

Land Use Summary (IR-721/VR-1721):

IR-721/VR-1721 extends from northern South Carolina into North Carolina and north into western Virginia. The primary land uses along this route include agriculture, forestry, industrial areas and small rural towns. In North Carolina, the MTR is over the Carolina Sand Hills NWR, Pee Dee NWR, Pilot Mountain State Park, Morrow Mountain State Park, Boone's Cave State Park, and Uwharrie National Forest. In Virginia, the MTR is over a portion of the Blue Ridge Parkway, Shenandoah National Park, and the urban area of Roanoke.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Boones Cave State Park	North Carolina Division of Parks & Recreation
Carolina Sand Hills National Wildlife Refuge	U.S. Fish & Wildlife Service
Fairstone WMA	Unknown
Havens WMA	Virginia Department of Game and Inland Fisheries
Hungry Mother State Park	Virginia Department of Conservation & Recreation
Linwood Game Land	North Carolina Wildlife Resources Commission
Morrow Mountain State Park	North Carolina Division of Parks & Recreation
Pee Dee National Wildlife Refuge	U.S. Fish & Wildlife Service

<i>Name</i>	<i>Responsible Agency</i>
Pilot Mountain State Park	North Carolina Division of Parks & Recreation
Sand Hills State Forest	South Carolina Forestry Commission
Shenandoah National Park	National Park Service
Uwharrie National Forest	U.S. Forest Service

IR-726/VR-1726

Route Description (IR-726):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	PSK 263/23	N37°00'00.00" W81°11'00.00"
03 AGL B 60 MSL to	B	PSK VORTAC	N37°05'15.73" W80°42'46.43"
03 AGL B 60 MSL to	C	PSK 187/19	N36°46'00.00" W80°43'00.00"
03 AGL B 60 MSL to	D	PSK 218/31	N36°39'00.00" W81°03'00.00"
03 AGL B 70 MSL to	E	PSK 226/44	N36°33'00.00" W81°20'00.00"
01 AGL B 70 MSL to	F	HMV 111/38	N36°15'00.00" W81°23'00.00"
01 AGL B 70 MSL to	G	HMV 125/36	N36°08'00.00" W81°30'00.00"
01 AGL B 70 MSL to	H	SPA 7/45	N35°47'24.00" W81°51'00.00"
03 AGL B 100 MSL to	I	SPA 347/46	N35°47'00.00" W82°10'00.00"

Route Width (IR-726):

5 NM either side of centerline from A to B;
 10 NM either side of centerline from B to C;
 6 NM left and 15 NM right of centerline from C to D;
 15 NM either side of centerline from D to E;
 On centerline to 10 NM right of centerline from E to F;
 1 NM left and 10 NM right of centerline from F to G;
 5 NM left and 10 NM right of centerline from G to H;
 5 NM either side of centerline from H to I.

Route Description (VR-1726):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 15 AGL to	A	PSK 263/23	N37°00'00.00" W81°11'00.00"
03 AGL B 15 AGL to	B	PSK VORTAC	N37°05'15.73" W80°42'46.43"
03 AGL B 15 AGL to	C	PSK 187/19	N36°46'00.00" W80°43'00.00"
03 AGL B 15 AGL to	D	PSK 218/31	N36°39'00.00" W81°03'00.00"
01 AGL B 15 AGL to	E	PSK 229/44	N36°33'00.00" W81°20'00.00"
01 AGL B 15 AGL to	F	HMV 111/38	N36°15'00.00" W81°23'00.00"
01 AGL B 15 AGL to	G	HMV 125/36	N36°08'00.00" W81°30'00.00"
03 AGL B 15 AGL to	H	SPA 7/45	N35°47'24.00" W81°51'00.00"
03 AGL B 15 AGL to	I	SPA 347/46	N35°47'00.00" W82°10'00.00"

Route Width (VR-1726):

5 NM either side of centerline from A to B;
 10 NM either side of centerline from B to C;
 15 NM right and 6 NM left of centerline from C to D;
 15 NM either side of centerline from D to E.
 On centerline to 10 NM right of centerline from E to F;
 1 NM left and 10 NM right centerline from F to G;
 5 NM left and 10 NM right of centerline from G to H;
 5 NM either side of centerline from H to I.

Land Use Summary (IR-726/VR-1726):

IR-726/VR-1726 extends from mountainous regions in western North Carolina into western Virginia. The primary land uses are forestry, agriculture, and rural towns. In North Carolina the MTR overlies the Pisgah National Forest, Stone Mountain State Park, and Lake James State Park. In Virginia the MTR overlies the New River Trail State Park, and a portion of the Jefferson National Forest. Several U.S. Forest Service Wilderness Areas and Wilderness Study Areas occur under these routes, as well as the Shenandoah National Park.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Bluff Mountain Preserve	The Nature Conservancy
Bullhead Mountain State Natural Area	North Carolina Division of Parks & Recreation
Harper Creek Wilderness Study Area	U.S. Forest Service

<i>Name</i>	<i>Responsible Agency</i>
Jefferson National Forest	U.S. Forest Service
Lake James State Park	North Carolina Division of Parks & Recreation
Lewis Fork Wilderness	U.S. Forest Service
Linville Gorge Wilderness	U.S. Forest Service
Little Dry Run Wilderness	U.S. Forest Service
Little Wilson Creek Wilderness	U.S. Forest Service
Lost Cove Wilderness Study Area	U.S. Forest Service
Mount Jefferson State Natural Area	North Carolina Division of Parks & Recreation
Mount Rogers National Recreation Area	U.S. Forest Service
Mt. Rogers National Recreation Area	U.S. Forest Service
New River State Park	North Carolina Division of Parks & Recreation
Pisgah National Forest	U.S. Forest Service
Shenandoah National Park	National Park Service
Stone Mountain State Park	North Carolina Division of Parks & Recreation
Three Top Mountain Game Land	North Carolina Wildlife Resources Commission
Thurmond Chatham Game Land	North Carolina Wildlife Resources Commission
New River Trail State Park	Virginia Department of Conservation & Recreation
Wilson Creek Slopes Preserve	The Nature Conservancy

IR-743/VR-1743

Route Description (IR-743):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 70 MSL to maintain	A	HMV 54/49	N36°58'00.00" W81°21'00.00"
01 AGL B 70 MSL to	B	HMV 23/26	N36°51'00.00" W81°57'00.00"
01 AGL B 70 MSL to	C	GZG VOR-DME	N36°49'30.39" W82°04'44.38"
01 AGL B 60 MSL to	D	HMV 302/34	N36°42'00.00" W82°45'00.00"
01 AGL B 60 MSL to	E	HMV 289/34	N36°35'00.00" W82°49'00.00"
03 AGL B 50 MSL to	F	VXV 71/44	N36°11'00.00" W83°03'00.00"
03 AGL B 60 MSL to	G	VXV 85/36	N35°59'00.00" W83°10'00.00"
03 AGL B 90 MSL to	H	VXV 97/32	N35°52'00.00" W83°14'00.00"
03 AGL B 90 MSL to	I	VXV 115/37	N35°40'00.00" W83°11'30.00"
03 AGL B 90 MSL to	J	VXV 124/41	N35°33'00.00" W83°10'00.00"

Route Width (IR-743):

5 NM either side of centerline for entire route.

Route Description (VR-1743):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
Cross at 15 AGL to	A	HMV 54/49	N36°58'00.00" W81°21'00.00"
01 AGL B 15 AGL to	B	HMV 23/26	N36°51'00.00" W81°57'00.00"
01 AGL B 15 AGL to	C	GXG 204/1	N36°49'00.00" W82°05'00.00"
01 AGL B 15 AGL to	D	HMV 302/34	N36°42'00.00" W82°45'00.00"
01 AGL B 15 AGL to	E	HMV 289/34	N36°35'00.00" W82°49'00.00"
03 AGL B 15 AGL to	F	VXV 71/44	N36°11'00.00" W83°03'00.00"
03 AGL B 15 AGL to	G	VXV 85/36	N35°59'00.00" W83°10'00.00"
03 AGL B 15 AGL to	H	VXV 97/32	N35°52'00.00" W83°14'00.00"
03 AGL B 15 AGL to	I	VXV 109/35	N35°44'30.00" W83°12'00.00"
03 AGL B 15 AGL to	J	VXV 124/41	N35°33'00.00" W83°10'00.00"

Route Width (VR-1743):

5 NM either side of centerline for entire route.

Land Use Summary (IR-743/VR-1743)

IR-743/VR-1743 is located in eastern Tennessee and western Virginia. The primary land uses are forestry and coal mining in the mountains and agriculture in the valleys. Small rural towns are scattered throughout the area. In Tennessee, the MTR is over a portion of the Pisgah National Forest and a portion of the Great Smoky Mountains National Park. The Natural Tunnel State Park, Hungry Mother State Park, Hidden Valley, WMA, and portions of the Jefferson National Forest are under the MTR in Virginia.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Cherokee-Inholding	Private
Great Smoky Mountains National Park	National Park Service
Hidden Valley WMA	Virginia Department of Game & Inland Fisheries
Hungry Mother State Park	Virginia Department of Conservation & Recreation
Jefferson National Forest	U.S. Forest Service

<i>Name</i>	<i>Responsible Agency</i>
John Sevier Dam Public Use Area	Tennessee Valley Authority
John Sevier Refuge WMA	Tennessee Wildlife Resource Agency
Lick Creek Bottoms	Tennessee Wildlife Resource Agency
Lick Creek Natural Area Preserve	Unknown
Natural Tunnel State Park	Virginia Department of Conservation & Recreation
Nolichucky River Access	Tennessee Wildlife Resource Agency
North Cherokee National Forest	U.S. Forest Service
Phipps Bend Refuge	Tennessee Wildlife Resource Agency
Pisgah National Forest	U.S. Forest Service
Rankin Bottom WMA	Tennessee Wildlife Resource Agency
Rogersville Historic District	National Park Service

VR-058/VR-092

Route Description (VR-058):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	SPA 264/54	N34°54'00.00" W83°00'00.00"
01 AGL B 80 MSL to	B	SPA 262/85	N34°46'00.00" W83°37'00.00"
01 AGL B 80 MSL to	C	GQO 81/54	N35°05'00.00" W84°04'00.00"
01 AGL B 80 MSL to	D	GQO 54/45	N35°23'00.00" W84°24'00.00"
01 AGL B 50 MSL to	E	GQO 325/51	N35°40'00.00" W85°44'00.00"
01 AGL B 50 MSL to	F	GQO 260/30	N34°53'00.00" W85°45'00.00"

Route Width (VR-058):

8 NM either side of centerline from A to B;
10 NM either side of centerline from B to C;
10 NM either side of centerline from C to F.

Route Description (VR-092):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	GQO 260/30	N34°53'00.00" W85°45'00.00"
01 AGL B 50 MSL to	B	GQO 325/51	N35°40'00.00" W85°44'00.00"
01 AGL B 50 MSL to	C	GQO 54/45	N35°23'00.00" W84°24'00.00"
01 AGL B 80 MSL to	D	GQO 81/54	N35°05'00.00" W84°04'00.00"
01 AGL B 80 MSL to	E	SPA 262/85	N34°46'00.00" W83°37'00.00"
01 AGL B 80 MSL to	F	SPA 264/54	N34°54'00.00" W83°00'00.00"

Route Width (VR-092):

10 NM either side of centerline from A to E; 8 NM either side of centerline from E to F.

Land Use Summary (VR-058/VR-092):

VR-058/VR-092 begins in northeastern Alabama and extends into southeast Tennessee, western South Carolina, and northeast Georgia. The principal land uses are forestry, agriculture, and scattered rural towns. The MTR overlies numerous special use areas. The Great Smoky Mountains and Cumberland Gap National Parks, the Tellico Lake WMA, the South Cherokee, Chattahoochee, and Nantahala National Forests, and the James D. Martin Skyline WMA occur under the routes. The MTR is over the Bledsoe and Franklin State Forests and the Tennessee state parks of South Cumberland, Fall Creek Falls, and Rock Island. In Georgia, the MTR is over the state parks of Tallalah Gorge, Black Rock Mountain, Unicoi, Brasstown Valley, and Moccasin Creek.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
A.H. Stephens State Historic Park	Georgia Department of Natural Resources
ACE Basin National Wildlife Refuge	U.S. Fish & Wildlife Service
Addington Enterprises WMA	Kentucky Department of Fish and Wildlife Resources
Agency Creek Public Use Area	Tennessee Valley Authority
Aiken State Park	South Carolina Department of Parks, Recreation & Tourism
Amicalola Falls State Park	Georgia Department of Natural Resources
Amicalola State Park	Georgia Department of Natural Resources
Andersonville National Historic Site	National Park Service
Anna Ruby Falls Scenic Area	U.S. Forest Service
Appomattox Courthouse National Historic Park	National Park Service
Arnold Engineering Development Center WMA	Tennessee Wildlife Resource Agency

<i>Name</i>	<i>Responsible Agency</i>
Arrowhead EEC	Georgia Department of Natural Resources
B. F. Grant WMA	Georgia Department of Natural Resources
Bald River Gorge Wilderness	U.S. Forest Service
Barbours Creek Wilderness	U.S. Forest Service
Bark Camp Barrens	Tennessee Wildlife Resource Agency
Battle Creek	Tennessee Wildlife Resource Agency
Beaverdam WMA	Georgia Department of Natural Resources
Berwind Lake WMA	West Virginia Division of Natural Resources (Privately Owned)
Big Dukes Pond Preserve	The Nature Conservancy of Georgia
Big Lazer WMA	Georgia Department of Natural Resources
Big South Fork-Inholding	Private
Black River Cypress Forest Preserve	The Nature Conservancy
Black Rock Mountain State Park	Georgia Department of Natural Resources
Bladen Lakes State Forest	North Carolina Division of Forest Resources
Blanton Forest State Nature Preserve	Kentucky State Nature Preserves Commission
Bledsoe State Forest	Tennessee Department of Agriculture
Blood Mountain Wilderness	U.S. Forest Service
Blue Ridge WMA	Georgia Department of Natural Resources
Bluff Mountain Preserve	The Nature Conservancy
Bone Cave State Natural Area	Tennessee Department of Environment and Conservation
Boone Recreational Forest WMA	Kentucky Department of Fish and Wildlife Resources
Boones Cave State Park	North Carolina Division of Parks & Recreation
Boy Scout Park	Local
Brasstown Valley Resort State Park	Georgia Department of Natural Resources
Brasstown Wilderness	U.S. Forest Service
Breaks Interstate Park	Kentucky Department of Parks
Broad River Natural Area	Georgia Department of Natural Resources
Buckhorn Lake State Resort Park	Kentucky Department of Parks
Buckhorn Lake WMA	Kentucky Department of Fish and Wildlife Resources
Bull Neck Swamp	North Carolina State University
Bullard And Branch Hunting Preserve	North Carolina Wildlife Resources Commission
Bullhead Mountain State Natural Area	North Carolina Division of Parks & Recreation
Bushy Lake State Natural Area	North Carolina Division of Parks & Recreation
Camp Charles E. Parish Wilderness Reserve	Boy Scouts of America
Camp Skymont	Boy Scouts of America
Candies Creek WMA	Tennessee Wildlife Resource Agency
Carolina Sand Hills National Wildlife Refuge	U.S. Fish & Wildlife Service
Carr Creek State Park	Kentucky Department of Parks
Carr Fork Lake WMA	Kentucky Department of Fish and Wildlife Resources

<i>Name</i>	<i>Responsible Agency</i>
Carter Caves State Natural Area	Tennessee Department of Environment and Conservation
Carter Mountain	Private
Caswell Game Land	North Carolina Wildlife Resources Commission
Catoosa WMA	Tennessee Wildlife Resource Agency
Cedar Swamp Seep Preserve	The Nature Conservancy
Chattahoochee National Forest	U.S. Forest Service
Chattahoochee River State Park	Georgia Department of Natural Resources
Chattahoochee WMA	Georgia Department of Natural Resources
Chattooga Wild and Scenic River	U.S. Forest Service
Cheraw State Park	South Carolina Department of Parks, Recreation & Tourism
Cherokee	U.S. Forest Service
Cherokee National Forest	U.S. Forest Service
Cherokee Park	Local
Cherokee-Inholding	Private
Chickamauga WMA	Tennessee Wildlife Resource Agency
Chuck Swan WMA	Tennessee Department of Environment & Conservation/Tennessee Wildlife Resource Agency
Citico Creek Wilderness	U.S. Forest Service
Clark Hill WMA	Georgia Department of Natural Resources
Coleman River Scenic Area	U.S. Forest Service
Cooper Creek Scenic Area	U.S. Forest Service
Cooper Creek WMA	Georgia Department of Natural Resources
Coosa Bald National Scenic Area	U.S. Forest Service
Coosawattee WMA	Georgia Department of Natural Resources
Cottonport	Tennessee Valley Authority
Cranks Creek WMA	Kentucky Department of Fish and Wildlife Resources
Cumberland Gap National Historic Park	National Park Service
Daniel Boone National Forest	U.S. Forest Service
Davenport State Natural Area	Tennessee Wildlife Resource Agency
Dawson Forest WMA	Georgia Department of Natural Resources
Dewey Lake WMA	Kentucky Department of Fish and Wildlife Resources
Dick Cove National Natural Landmark	University of the South
Dilane WMA	Georgia Department of Natural Resources
Dodge County Public Fishing area	Georgia Department of Natural Resources
Donnelley Hardpan Bog Preserve	North Carolina Herpetological Society
Dukes Creek Conservation Area	Georgia Department of Natural Resources
Ed Jenkins NRA	U.S. Forest Service
Elbert County WMA	Georgia Department of Natural Resources
Ellicott Rock Extension Wilderness Study Area	U.S. Forest Service
Ellicott Rock Wilderness	U.S. Forest Service

<i>Name</i>	<i>Responsible Agency</i>
Elm Hill WMA	
Eufaula National Wildlife Refuge	U.S. Fish & Wildlife Service
Fairstone WMA	Unknown
Fall Creek Falls State Natural Area & WMA	Tennessee Department of Environment & Conservation/Tennessee Wildlife Resource Agency
Fall Creek Falls State Resort Park	Tennessee Department of Environment and Conservation
Falls Branch Scenic Area	U.S. Forest Service
Fishing Creek WMA	Georgia Department of Natural Resources
Fishtrap Lake WMA	Kentucky Department of Fish and Wildlife Resources
Flack Tract Public Use Area	Tennessee Valley Authority
Flint River WMA	Georgia Department of Natural Resources
Fooshee Pass Public Camping Area	Tennessee Valley Authority
Fooshee Peninsula	Tennessee Valley Authority
Ford Swamp	Tennessee Wildlife Resource Agency
Foster Falls Public Use Area	Tennessee Valley Authority
Francis Marion National Forest	U.S. Forest Service
Franklin State Forest	Tennessee Department of Agriculture
Freeman Tract	Broad River Watershed Association
Frozen Head State Natural Area	Tennessee Department of Environment and Conservation
Gee Creek Wilderness	U.S. Forest Service
George L. Smith State Park	Georgia Department of Natural Resources
George Washington National Forest	U.S. Forest Service
Georgia Veterans State Park	Georgia Department of Natural Resources
Germany Creek WMA	Georgia Department of Natural Resources
Givhans Ferry State Park	South Carolina Department of Parks, Recreation & Tourism
Goat Island	Tennessee Valley Authority
Goose Creek Game Land	North Carolina Wildlife Resources Commission
Grainger Co. Park	County
Great Smoky Mountains National Park	National Park Service
Grundy Forest State Natural Area	Tennessee Department of Agriculture
Grundy Lakes State Recreation Area	Tennessee Department of Environment and Conservation
Hales Bar Public Use Area	Tennessee Valley Authority
Hamburg State Park	Georgia Department of Natural Resources
Harper Creek Wilderness Study Area	U.S. Forest Service
Havens WMA	Virginia Department of Game and Inland Fisheries
Hawkins Cove	Tennessee Department of Environment and Conservation
Henry Grady Burrell Preserve	Chattowah Open Land Trust
Hidden Lake Nature Preserve	Hidden Lake, L.L.C. & Big Pine, L.L.C.

<i>Name</i>	<i>Responsible Agency</i>
Hidden Valley WMA	Virginia Department of Game & Inland Fisheries
High Shoals Falls Scenic Area	U.S. Forest Service
Hiwassee Base Public Use Area	Tennessee Valley Authority
Hiwassee Refuge	Tennessee Wildlife Resource Agency
Holiday Lake State Park	Virginia Department of Conservation & Recreation
Howell Woods Environmental Learning Center	Johnston Community College
Hungry Mother State Park	Virginia Department of Conservation & Recreation
Inholding Bledsoe State Forest	Private
J. H. Floyd State Park	Georgia Department of Natural Resources
James D. Martin Skyline WMA	Alabama Department of Conservation & Natural Resources
Jarrell Plantation State Historic Site	Georgia Department of Natural Resources
Jefferson National Forest	U.S. Forest Service
John Sevier Dam Public Use Area	Tennessee Valley Authority
John Sevier Refuge WMA	Tennessee Wildlife Resource Agency
John's Mountain WMA	Georgia Department of Natural Resources
Johnson Bottoms WMA	Tennessee Wildlife Resource Agency
Jones Lake State Park	North Carolina Division of Parks & Recreation
Kentenia State Forest	Kentucky Division of Forestry
Kentucky Ridge State Forest	Kentucky Department of Fish and Wildlife Resources
Kerr Lake State Recreation Area	North Carolina Division of Parks & Recreation
Kerr Reservoir	U.S. Army Corps of Engineers
Kitty Hawk Woods Coastal Reserve	North Carolina Division of Coastal Management
Kitty Hawk Woods Dedicated Nature Preserve	Town of Kitty Hawk
Kitty Hawk Woods Preserve	North Carolina Division of Coastal Management
Lake James State Park	North Carolina Division of Parks & Recreation
Lake Waccamaw State Park	North Carolina Division of Parks & Recreation
Laurel-Snow Pocket Wilderness State Natural Area	Tennessee Department of Environment and Conservation
Ledford Island	Tennessee Valley Authority
Lewis Fork Wilderness	U.S. Forest Service
Lick Creek Bottoms	Tennessee Wildlife Resource Agency
Lick Creek Natural Area Preserve	
Linville Gorge Wilderness	U.S. Forest Service
Linwood Game Land	North Carolina Wildlife Resources Commission
Little Dry Run Wilderness	U.S. Forest Service
Little Fooshee Public Use Area	Tennessee Valley Authority
Little Frog Mountain Wilderness	U.S. Forest Service
Little Gizzard Creek Small Wild Area	Tennessee Valley Authority
Little Ocmulgee State Park	Georgia Department of Natural Resources
Little Pee Dee State Park	South Carolina Department of Parks, Recreation & Tourism

<i>Name</i>	<i>Responsible Agency</i>
Little Wilson Creek Wilderness	U.S. Forest Service
Lone Mountain State Forest	Tennessee Department of Agriculture
Lost Cove Wilderness Study Area	U.S. Forest Service
Lost Sea	Private
Lowe Branch	Tennessee Valley Authority
Lumber River State Park	North Carolina Division of Parks & Recreation
Lynches River State Park	South Carolina Department of Parks, Recreation & Tourism
Madisonville Golf Course	Private
Magnolia Springs State Park	Georgia Department of Natural Resources
Manchester State Forest	South Carolina Forestry Commission
Mark Trail Wilderness	U.S. Forest Service
Martins Fork Lake WMA	Kentucky Department of Fish and Wildlife Resources
Mary Breckinridge	The Nature Conservancy
May Springs Public Camping Area	Tennessee Valley Authority
Medoc Mountain State Park	North Carolina Division of Parks & Recreation
Moccasin Creek State Park	Georgia Department of Natural Resources
Montezuma Bluffs Natural Area	Georgia Department of Natural Resources
Morrow Mountain State Park	North Carolina Division of Parks & Recreation
Mount Jefferson State Natural Area	North Carolina Division of Parks & Recreation
Mount Pleasant National Scenic Area	U.S. Forest Service
Mount Rogers National Recreation Area	U.S. Forest Service
Mud Creek	Tennessee Valley Authority
Mullins Island	Tennessee Wildlife Resource Agency
Murder Creek Research Natural Area	U.S. Forest Service
Nantahala National Forest	U.S. Forest Service
Natural Tunnel State Park	Virginia Department of Conservation & Recreation
New Echota State Historic Site	Georgia Department of Natural Resources
New River State Park	North Carolina Division of Parks & Recreation
Nickajack Lake	Tennessee Valley Authority
Nickjack Dam Public Campground & Access Site	Tennessee Valley Authority
Ninety Six National Historic Site	National Park Service
Nolichucky River Access	Tennessee Wildlife Resource Agency
North Cherokee National Forest	U.S. Forest Service
Nuclear Plant	Tennessee Valley Authority
Oconeechee Mountain State Park	North Carolina Division of Parks & Recreation
Ocmulgee WMA	Georgia Department of Natural Resources
Oconee National Forest	U.S. Forest Service
Oconee WMA	Georgia Department of Natural Resources
Odum Tract	Broad River Watershed Association
Ogeechee WMA	Georgia Department of Natural Resources
Ohoopee Dunes Natural Area	Georgia Department of Natural Resources

<i>Name</i>	<i>Responsible Agency</i>
Ochoopee Dunes Preserve	The Nature Conservancy of Georgia
Okefenokee Swamp National Wildlife Refuge	U.S. Fish & Wildlife Service
Old Dock Savanna Preserve	The Nature Conservancy
Opossum Creek	Tennessee Valley Authority
Otting Tract WMA	Georgia Department of Natural Resources
Palmetto-Peartree Preserve	The Conservation Fund
Panther Creek Park	Local
Panther State Forest	West Virginia Division of Natural Resources
Pee Dee National Wildlife Refuge	U.S. Fish & Wildlife Service
Phipps Bend Refuge	Tennessee Wildlife Resource Agency
Piedmont National Wildlife Refuge	U.S. Fish & Wildlife Service
Pilot Mountain State Park	North Carolina Division of Parks & Recreation
Pine Mountain State Park Nature Preserve	Kentucky Department of Parks
Pine Mountain State Resort Park	Kentucky Department of Parks
Pisgah National Forest	U.S. Forest Service
Pocosin Lakes National Wildlife Refuge	U.S. Fish & Wildlife Service
Prentice Cooper State Forest	Tennessee Department of Agriculture
Private lands	Private
Pungo River Game Land	North Carolina Wildlife Resources Commission
Rankin Bottom WMA	Tennessee Wildlife Resource Agency
Raven Cliffs Wilderness	U.S. Forest Service
Redbird WMA	KY Department of Fish and Wildlife Resources
Rich Mountain WMA	Georgia Department of Natural Resources
Richard B. Russell State Park	Georgia Department of Natural Resources
River Bend WMA	Georgia Department of Natural Resources
Rivers Bridge State Park	Department of Parks, Recreation & Tourism
Riversmeet	Tennessee Wildlife Resource Agency
Roanoke River National Wildlife Refuge	U.S. Fish & Wildlife Service
Roanoke River Wetlands Game Land	North Carolina Wildlife Resources Commission
Roberta Crittenden Easement	Sautee-Nacoochee Community Assn. Land Trust
Robeson County Game Land	North Carolina Wildlife Resources Commission
Rock Island State Rustic Park	Tennessee Department of Environment and Conservation
Rogersville Historic District	National Park Service
Royal Blue -Inholding	Private
Royal Blue WMA	Tennessee Wildlife Resource Agency
Royal Blue WMA-Inholding	Private
Rum Creek WMA	Georgia Department of Natural Resources
Russell Cave National Monument	National Park Service
Sale Creek	Tennessee Valley Authority
Sampson County Game Land	North Carolina Wildlife Resources Commission
Sand Hills State Forest	South Carolina Forestry Commission

<i>Name</i>	<i>Responsible Agency</i>
Santee National Wildlife Refuge	U.S. Fish & Wildlife Service
Santee State Park	South Carolina Department of Parks, Recreation & Tourism
Savage Gulf	Tennessee Department of Environment and Conservation
Savage Gulf State Natural Area	Tennessee Department of Environment and Conservation
Savannah Coastal National Wildlife Refuge	U.S. Fish & Wildlife Service
Shenandoah National Park	National Park Service
Shillalah Creek WMA	Kentucky Department of Fish and Wildlife Resources
Snowbird Wilderness Study Area	U.S. Forest Service
Soap Creek WMA	Georgia Department of Natural Resources
South Cherokee	U.S. Forest Service
South Cherokee National Forest	U.S. Forest Service
South Cherokee National Forest-Inholding	Private
South Cumberland State Park	Tennessee Department of Environment and Conservation
South Mouse Creek Wilderness Management Area	Tennessee Wildlife Resource Agency
Southern Nantahala Wilderness	U.S. Forest Service
Spirewell Bluff State Park	Georgia Department of Natural Resources
Stateline Prairie Bay Preserve	The Nature Conservancy
Staunton River Bridge Battlefield State Park	Virginia Department of Conservation & Recreation
Stiner Woods Small Wild Area	Tennessee Valley Authority
Stinging Fork Pocket Wilderness State Natural Area	Tennessee Department of Environment and Conservation
Stone Mountain State Park	North Carolina Division of Parks & Recreation
Suggs Millpond Game Land	North Carolina Wildlife Resources Commission
Sumter National Forest	U.S. Forest Service
Tackett Creek WMA	Tennessee Wildlife Resource Agency
Tallahatchie State Park	Georgia Department of Natural Resources
Tellico Lake	Tennessee Wildlife Resource Agency
Tellico Lake WMA	Tennessee Wildlife Resource Agency
Tellico-Inholding	Private
Three Top Mountain Game Land	North Carolina Wildlife Resources Commission
Thurmond Chatham Game Land	North Carolina Wildlife Resources Commission
Tray Mountain Wilderness	U.S. Forest Service
Treutlen County Public Fishing Area	Georgia Department of Natural Resources
Tuckahoe WMA	Georgia Department of Natural Resources
Turkey Quarter Island Preserve	North Carolina Coastal Land Trust
Unicoi State Park	Georgia Department of Natural Resources
Uwharrie National Forest	U.S. Forest Service
Victoria Bryant State Park	Georgia Department of Natural Resources
Vogel State Park	Georgia Department of Natural Resources

<i>Name</i>	<i>Responsible Agency</i>
Washington Ferry	Tennessee Valley Authority
Watson Mill Bridge State Park	Georgia Department of Natural Resources
Watts Bar Public Camping Area	Tennessee Valley Authority
Watts Bar Resort	Tennessee Valley Authority
Wells Tract	The Nature Conservancy
White Oak Mountain WMA	Virginia Department of Game & Inland Fisheries
Wilson Creek Slopes Preserve	The Nature Conservancy
Wilson Shoals WMA	Georgia Department of Natural Resources
Woods Bay State Park	South Carolina Department of Parks, Recreation & Tourism
Yuchi WMA	Georgia Department of Natural Resources

VR-085

Route Description:

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	TYI 222/38	N35°28'00.00" W78°10'00.00"
05 AGL B 30 MSL to	B	TYI 179/18	N35°41'00.00" W77°40'00.00"
05 AGL B 30 MSL to	C	TYI 108/16	N35°55'00.00" W77°23'00.00"
05 AGL B 30 MSL to	D	TYI 82/25	N36°04'00.00" W77°12'00.00"
05 AGL B 20 MSL to	E	TYI 99/49	N35°55'00.00" W76°42'00.00"
05 AGL B 20 MSL to	F	CVI 126/45	N36°58'00.00" W76°24'00.00"
05 AGL B 20 MSL to	G	CVI 126/45	N36°02'00.00" W76°03'00.00"
50 MSL to Alternate Exit: E	H	CVI 115/58	N36°06'00.00" W75°43'00.00"
05 AGL B 20 MSL to	E	TYI 99/49	N35°55'00.00" W76°42'00.00"
05 AGL B 20 MSL to	E1	TYI 102/56	N35°51'30.00" W76°34'00.00"

Route Width:

5 NM either side of centerline from A to E;
 3 NM either side of centerline from E to H;
 3 NM either side of centerline from E to E1.

Land Use Summary:

VR-085 extends from middle North Carolina to the Outer Banks abutting the Atlantic Ocean. Part of the MTR is over the Albemarle Sound. The predominant land uses include agriculture, forestry, and small towns. Some sensitive land use areas include the Roanoke River NWR and the Kitty Hawk Woods.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Bull Neck Swamp	North Carolina State University
Hidden Lake Nature Preserve	Hidden Lake, L.L.C. & Big Pine, L.L.C.
Kitty Hawk Woods Coastal Reserve	North Carolina Division of Coastal Management
Kitty Hawk Woods Dedicated Nature Preserve	Town of Kitty Hawk
Kitty Hawk Woods Preserve	North Carolina Division of Coastal Management
Palmetto-Peartree Preserve	The Conservation Fund
Roanoke River National Wildlife Refuge	U.S. Fish & Wildlife Service
Roanoke River Wetlands Game Land	North Carolina Wildlife Resources Commission

VR-086**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	TYI 222/38	N35°28'00.00" W78°10'00.00"
05 AGL B 30 MSL to	B	TYI 179/18	N35°41'00.00" W77°40'00.00"
05 AGL B 30 MSL to	C	TYI 108/16	N35°55'00.00" W77°23'00.00"
05 AGL B 30 MSL to	D	TYI 58/17	N36°09'00.00" W77°23'00.00"
05 AGL B 30 MSL to	E	TYI 336/28	N36°23'00.00" W77°59'00.00"
05 AGL B 30 MSL to	F	RDU 24/38	N36°28'00.00" W78°31'00.00"
05 AGL B 30 MSL to	G	RDU 334/31	N36°19'00.00" W79°06'00.00"
05 AGL B 30 MSL to	H	RDU 273/27	N35°52'00.00" W79°20'00.00"
05 AGL B 30 MSL to	I	RDU 259/32	N35°44'00.00" W79°25'00.00"
05 AGL B 30 MSL to	J	RDU 243/45	N35°29'00.00" W79°34'00.00"

Route Width:

5 NM either side of centerline for entire route.

Land Use Summary:

VR-086 is located in the middle-northern section of North Carolina. Agriculture, forestry and small towns are the primary land uses. The MTR is over the Kerr Reservoir, which includes a state recreation area and the Medoc Mountain and Oconeechee Mountain State Parks.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Caswell Game Land	North Carolina Wildlife Resources Commission
Donnelley Hardpan Bog Preserve	North Carolina Herpetological Society
Kerr Lake State Recreation Area	North Carolina Division of Parks & Recreation
Kerr Reservoir	U.S. Army Corps of Engineers
Medoc Mountain State Park	North Carolina Division of Parks & Recreation
Oconeechee Mountain State Park	North Carolina Division of Parks & Recreation

VR-087**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	FLO 321/45	N34°47'00.00" W80°16'00.00"
03 AGL B 40 MSL to	B	FLO 337/20	N34°32'00.00" W79°50'00.00"
03 AGL B 60 MSL to	C	FLO 61/32	N34°31'00.00" W79°06'00.00"
01 AGL B 60 MSL to	D	FLO 98/50	N34°09'00.00" W78°39'00.00"
01 AGL B 80 MSL to	E	FLO 119/11	N34°09'00.00" W79°27'00.00"
01 AGL B 40 MSL to	F	VAN 47/34	N33°54'00.00" W80°00'00.00"
01 AGL B 40 MSL to	G	VAN 24/16	N33°43'18.00" W80°21'00.00"

Route Width:

10 NM either side of centerline from A to E;

8 NM either side of centerline from E to G.

Land Use Summary:

VR-087 is located in northeastern South Carolina and a small portion of southeastern North Carolina. The primary land uses are agriculture, forestry, industrial areas, and small towns. State Parks near the MTR include Cheraw, Lumber River State Park, Lake Waccamaw, Woods

Bay, Lynches River, and Little Pee Dee. VR-087 is also over the Sand Hills State Forest and Carolina Sand Hills NWR.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Bullard and Branch Hunting Preserve	North Carolina Wildlife Resources Commission
Carolina Sand Hills National Wildlife Refuge	U.S. Fish & Wildlife Service
Cheraw State Park	South Carolina Department of Parks, Recreation & Tourism
Lake Waccamaw State Park	North Carolina Division of Parks & Recreation
Little Pee Dee State Park	South Carolina Department of Parks, Recreation & Tourism
Lumber River State Park	North Carolina Division of Parks & Recreation
Lynches River State Park	Department of Parks, Recreation & Tourism
Old Dock Savanna Preserve	The Nature Conservancy
Robeson County Game Land	North Carolina Wildlife Resources Commission
Sand Hills State Forest	South Carolina Forestry Commission
Stateline Prairie Bay Preserve	The Nature Conservancy
Wells Tract	The Nature Conservancy
Woods Bay State Park	South Carolina Department of Parks, Recreation & Tourism

VR-088

Route Description:

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	CAE 346/55	N34°44'00.00" W81°22'00.00"
03 AGL B 40 MSL to	B	CAE 292/37	N34°04'00.00" W81°45'00.00"
03 AGL B 40 MSL to	C	CAE 222/24	N33°33'00.00" W81°22'00.00"
03 AGL B 80 MSL to	D	CAE 180/46	N33°05'00.00" W81°01'00.00"
01 AGL B 40 MSL to	E	CAE 168/47	N33°06'00.00" W80°50'00.00"
01 AGL B 40 MSL to	F	VAN 342/10	N33°38'00.00" W80°32'00.00"
01 AGL B 40 MSL to	G	VAN 10/12	N33°40'48.00" W80°26'00.00"

Route Width:

10 NM either side of centerline from A to F;

8 NM either side of centerline from F to G.

Land Use Summary:

VR-088 is located in the central and southern portions of South Carolina. Land uses under this MTR include agriculture, forestry, and rural towns. The MTR is located over Aiken State Park, Rivers Bridge, and Santee State Park. The MTR is also located over the Sumter National Forest, Manchester State Forest, and Santee NWR.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Aiken State Park	Department of Parks, Recreation & Tourism
Manchester State Forest	South Carolina Forestry Commission
Rivers Bridge State Park	South Carolina Department of Parks, Recreation & Tourism
Santee National Wildlife Refuge	U.S. Fish & Wildlife Service
Santee State Park	South Carolina Department of Parks, Recreation & Tourism
Sumter National Forest	U.S. Forest Service

VR-093**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	GSO 301/47	N36°25'00.00" W80°50'00.00"
01 AGL B 80 MSL to	B	GSO 301/83	N36°41'00.00" W81°30'00.00"
01 AGL B 80 MSL to	C	HMV 1/56	N37°22'00.00" W82°11'00.00"
01 AGL B 60 MSL	D	HMV 340/68	N37°28'00.00" W82°43'00.00"
01 AGL B 60 MSL to	E	HMV 304/76	N37°04'00.00" W83°30'00.00"
01 AGL B 60 MSL to	F	HMV 289/69	N36°44'00.00" W83°30'00.00"
01 AGL B 60 MSL to	G	HMV 289/38	N36°36'00.00" W82°53'00.00"

Route Width:

5 NM either side of centerline from A to B;
 10 NM either side of centerline from B to F;
 5 NM either side of centerline from F to G.

Land Use Summary:

VR-093 is located in western Virginia, western North Carolina, and eastern Kentucky. The primary land uses are forestry, coal mining, agriculture, and small, rural towns. In Virginia the

MTR is over one campground in the Mount Rogers National Recreation Area, Jefferson National Forest, Breaks Interstate State Park, and Hungry Mother State Park. In Kentucky, the MTR is over Pine Mountain State Park, Buckhorn Lake State Park, Redbird WMA, and portions of the Daniel Boone National Forest and Cumberland Gap National Historic Park.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Addington Enterprises WMA	Kentucky Department of Fish and Wildlife Resources
Berwind Lake WMA	West Virginia Division of Natural Resources (Privately Owned)
Blanton Forest State Nature Preserve	Kentucky State Nature Preserves Commission
Boone Recreational Forest WMA	Kentucky Department of Fish and Wildlife Resources
Breaks Interstate Park	Kentucky Department of Parks
Buckhorn Lake State Park	Kentucky Department of Parks
Buckhorn Lake WMA	Kentucky Department of Fish and Wildlife Resources
Bullhead Mountain State Natural Area	North Carolina Division of Parks & Recreation
Carr Creek State Park	Kentucky Department of Parks
Carr Fork Lake WMA	Kentucky Department of Fish and Wildlife Resources
Cranks Creek WMA	Kentucky Department of Fish and Wildlife Resources
Cumberland Gap National Historic Park	National Park Service
Daniel Boone National Forest	U.S. Forest Service
Dewey Lake WMA	Kentucky Department of Fish and Wildlife Resources
Fishtrap Lake WMA	Kentucky Department of Fish and Wildlife Resources
Hidden Valley WMA	Virginia Department of Game & Inland Fisheries
Hungry Mother State Park	Virginia Department of Conservation & Recreation
Jefferson National Forest	U.S. Forest Service
Kentonia State Forest	Kentucky Division of Forestry
Kentucky Ridge State Forest	Kentucky Department of Fish and Wildlife Resources
Lewis Fork Wilderness	U.S. Forest Service
Little Wilson Creek Wilderness	U.S. Forest Service
Martins Fork Lake WMA	Kentucky Department of Fish and Wildlife Resources
Mary Breckinridge	The Nature Conservancy
Mount Rogers National Recreation Area	U.S. Forest Service
New River State Park	North Carolina Division of Parks & Recreation
North Cherokee National Forest	U.S. Forest Service
Panther State Forest	West Virginia Division of Natural Resources
Pine Mountain State Park Nature Preserve	Kentucky Department of Parks
Pine Mountain State Resort Park	Kentucky Department of Parks
Private lands	Private
Redbird WMA	Kentucky Department of Fish and Wildlife Resources
Shillalah Creek WMA	Kentucky Department of Fish and Wildlife Resources
Stone Mountain State Park	North Carolina Division of Parks & Recreation

VR-094**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	AYS 303/27	N31°31'00.00" W83°00'00.00"
01 AGL B 30 MSL to	B	AYS 315/48	N31°50'00.00" W83°13'00.00"
01 AGL B 30 MSL to	C	AYS 338/57	N32°09'00.00" W82°58'00.00"
01 AGL B 30 MSL to	D	VAN 243/70	N32°50'00.00" W81°37'00.00"
01 AGL B 30 MSL to	E	VAN 221/67	N32°33'00.00" W81°12'00.00"

Route Width:

10 NM either side of centerline for entire route.

Land Use Summary:

VR-094 extends from south-central Georgia to the middle-eastern section of the state and partially into southern South Carolina. The predominant land uses are agriculture, forestry, and rural towns. Some notable special use areas include the Okefenokee Swamp and Savannah Coastal NWR and the George L. Smith and Little Ocmulgee State Parks in Georgia.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Dodge County Public Fishing Area	Georgia Department of Natural Resources
George L. Smith State Park	Georgia Department of Natural Resources
Little Ocmulgee State Park	Georgia Department of Natural Resources
Ohoopee Dunes Natural Area	Georgia Department of Natural Resources
Ohoopee Dunes Preserve	The Nature Conservancy of Georgia
Okefenokee Swamp National Wildlife Refuge	U.S. Fish & Wildlife Service
River Bend WMA	Georgia Department of Natural Resources
Savannah Coastal National Wildlife Refuge	U.S. Fish & Wildlife Service
Treutlen County Public Fishing Area	Georgia Department of Natural Resources
Tuckahoe WMA	Georgia Department of Natural Resources

VR-095**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	SPA 207/29	N34°36'00.00" W82°10'00.00"
01 AGL B 15 AGL to	B	SPA 208/39	N34°27'00.00" W82°16'00.00"
01 AGL B 15 AGL to	C	SPA 209/61	N34°07'00.00" W82°29'00.00"
01 AGL B 15 AGL to	D	SPA 209/93	N33°39'00.00" W82°46'00.00"
01 AGL B 15 AGL to	E	SPA 212/113	N33°24'00.00" W83°03'00.00"
01 AGL B 40 MSL to	F	VNA 318/54	N32°53'00.00" W84°12'00.00"
01 AGL B 40 MSL to	G	VNA 213/34	N31°45'00.00" W83°52'00.00"
01 AGL B 40 MSL to Alternate Exit:	H	VNA 190/31	N31°42'00.00" W83°37'00.00"
01 AGL B 40 MSL to	F1	VNA 318/54	N32°53'00.00" W84°12'00.00"
01 AGL B 40 MSL to	FF	VNA 283/59	N32°27'00.00" W84°37'00.00"

Route Width:

10 NM either side of centerline from A to G and F1 to FF;

5 NM either side of centerline from G to H.

Land Use Summary:

VR-095 covers portions of southern and eastern-central Georgia and northwestern South Carolina. Land uses under the MTR include agriculture, forestry, and small towns. The MTR passes over numerous WMAs and overlies the Oconee National Forest, Sumter National Forest, A.H. Stephens State Historic Park, Spirewell Bluff State Park, and the Georgia Veterans Memorial State Park.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
A.H. Stephens State Historic Park	Georgia Department of Natural Resources
Andersonville National Historic Site	National Park Service
B. F. Grant WMA	Georgia Department of Natural Resources
Big Lazer WMA	Georgia Department of Natural Resources
Clark Hill WMA	Georgia Department of Natural Resources
Elbert County WMA	Georgia Department of Natural Resources

<i>Name</i>	<i>Responsible Agency</i>
Eufaula National Wildlife Refuge	U.S. Fish & Wildlife Service
Fishing Creek WMA	Georgia Department of Natural Resources
Flint River WMA	Georgia Department of Natural Resources
Georgia Veterans State Park	Georgia Department of Natural Resources
Jarrell Plantation State Historic Site	Georgia Department of Natural Resources
Montezuma Bluffs Natural Area	Georgia Department of Natural Resources
Murder Creek Research Natural Area	U.S. Forest Service
Oconee National Forest	U.S. Forest Service
Oconee WMA	Georgia Department of Natural Resources
Ogeechee WMA	Georgia Department of Natural Resources
Piedmont National Wildlife Refuge	U.S. Fish & Wildlife Service
Rum Creek WMA	Georgia Department of Natural Resources
Soap Creek WMA	Georgia Department of Natural Resources
Sprewell Bluff State Park	Georgia Department of Natural Resources
Sumter National Forest	U.S. Forest Service

VR-096

Route Description:

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	TYI 336/28	N36°23'00.00" W77°59'00.00"
05 AGL B 65 MSL to	B	LYH 85/28	N37°20'00.00" W78°39'00.00"
05 AGL B 65 MSL to	C	LYH 24/29	N37°43'00.00" W79°02'00.00"
05 AGL B 65 MSL to	D	ROA 2/22	N37°43'00.00" W80°05'00.00"

Route Width:

5 NM either side of centerline entire route.

Land Use Summary:

VR-096 extends from middle-southern Virginia to eastern Virginia. Forestry is the primary land use with agriculture and small towns also existing in the area. The MTR is over one campground of the Jefferson National Forest, George Washington National Forest, Shenandoah National Park, Appomattox Courthouse National Historic Park, Holiday Lake State Park, and the U.S. Forest Service Barbours Creek Wilderness.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Appomattox Courthouse National Historic Park	National Park Service
Barbours Creek Wilderness	U.S. Forest Service

<i>Name</i>	<i>Responsible Agency</i>
Elm Hill WMA	
George Washington National Forest	U.S. Forest Service
Holiday Lake State Park	Virginia Department of Conservation & Recreation
Jefferson National Forest	U.S. Forest Service
Mount Pleasant National Scenic Area	U.S. Forest Service
Shenandoah National Park	National Park Service

VR-097

Route Description:

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	SUG 217/31	N34°58'48.00" W82°37'48.00"
30 MSL B 80 MSL to	B	SUG 229/43	N34°55'12.00" W82°54'30.00"
01 AGL B 80 MSL to	C	SPA 264/54	N34° 54'00.00" W83°00'00.00"
01 AGL B 80 MSL to	D	SPA 262/85	N34°46'00.00" W83°37'00.00"
01 AGL B 80 MSL to	E	ODF 261/23	N34°38'12.00" W83°45'30.00"
01 AGL B 80 MSL to	F	ODF 255/27	N34°34'30.00" W83°49'54.00"
01 AGL B 80 MSL to	G	AHN 330/36	N34°28'18.00" W83°41'00.00"
01 AGL B 40 MSL to	H	AHN 338/27	N34°22'00.00" W83°32'00.00"
01 AGL B 40 MSL to	I	AHN 10/17	N34°14'00.00" W83°16'00.00"
01 AGL B 40 MSL to	J	AHN 30/17	N34°12'00.00" W83°09'00.00"
01 AGL B 40 MSL to	K	AHN 45/16	N34°07'54.00" W83°06'12.00"
01 AGL B 15 AGL to	L	AHN 115/23	N33°47'00.00" W82°54'00.00"
01 AGL B 15 AGL to	LL	DBN 2/64	N33°38'00.00" W82°49'00.00"
01 AGL B 15 AGL to	M	DBN 17/38	N33°09'54.00" W82°37'30.00"
01 AGL B 15 AGL to	N	DBN 25/31	N33°02'00.00" W82°35'00.00"
01 AGL B 15 AGL to	O	DBN 51/38	N32°58'12.00" W82°15'00.00"

VR-097 Route Description (continued):

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
01 AGL B 15 AGL to	P	DBN 59/44	N32°56'30.00" W82°06'00.00"
01 AGL B 15 AGL to	Q	VAN 221/53	N32°45'00.00" W81°03'00.00"
01 AGL B 15 AGL to	R	VAN 223/41	N32°55'30.00" W80°56'36.00"
01 AGL B 40 MSL to	RR	VAN 227/30	N33°06'54.00" W80°50'00.00"
01 AGL B 40 MSL to	S	VAN 342/10	N33°38'00.00" W80°32'00.00"
01 AGL B 40 MSL to Alternate Exit: O	T	VAN 10/12	N33°40'48.00" W80°26'00.00"
01 AGL B 15 AGL to	O	DBN 51/38	N32°58'12.00" W82°15'00.00"
01 AGL B 15 AGL to	O1	DBN 43/47	N33°08'00.00" W82°12'30.00"
01 AGL B 15 AGL to	O2	DBN 39/50	N33°12'42.00" W82°13'30.00"

Route Width:

8 NM left and 6 NM right of centerline from A to C;
8 NM either side of centerline from C to F;
5 NM either side of centerline from F to J;
5 NM left and 6 NM right of centerline from J to L;
6 NM left and 10 NM right of centerline from L to N;
9 NM left and 10 NM right of centerline from N to P;
10 NM either side of centerline from P to S;
8NM either side of centerline from S to T.

Land Use Summary:

VR-097 extends from southwest South Carolina into northeastern Georgia and then north to the northwestern portion of South Carolina. The land uses in South Carolina include agriculture, forestry, and small towns. In Georgia the primary land uses include agriculture, forestry, tourist-oriented towns, and rural towns. The MTR passes over numerous State Parks in Georgia including Tallalah Gorge State Park, Black Rock Mountain, Unicoi, Magnolia Springs State Park, Watson Mill Bridge, and Hamburg. The MTR passes over numerous WMAs and the Manchester State Forest and Nantahala National Forest.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
A.H. Stephens State Historic Park	Georgia Department of Natural Resources
Anna Ruby Falls Scenic Area	U.S. Forest Service
Beef Cattle Research Farm	Board of Regents
Big Dukes Pond Preserve	The Nature Conservancy of Georgia
Black Rock Mountain State Park	Georgia Department of Natural Resources
Broad River Natural Area	Georgia Department of Natural Resources
Chattahoochee National Forest	U.S. Forest Service
Chattahoochee River State Park	Georgia Department of Natural Resources
Chattahoochee WMA	Georgia Department of Natural Resources
Chattooga Wild and Scenic River	U.S. Forest Service
Dilane WMA	Georgia Department of Natural Resources
Dukes Creek Conservation Area	Georgia Department of Natural Resources
Ellicott Rock Extension Wilderness Study Area	U.S. Forest Service
Ellicott Rock Wilderness	U.S. Forest Service
Freeman Tract	Broad River Watershed Association
Hamburg State Park	Georgia Department of Natural Resources
High Shoals Falls Scenic Area	U.S. Forest Service
Magnolia Springs State Park	Georgia Department of Natural Resources
Manchester State Forest	South Carolina Forestry Commission
Mark Trail Wilderness	U.S. Forest Service
Moccasin Creek State Park	Georgia Department of Natural Resources
Nantahala National Forest	U.S. Forest Service
Odum Tract	Broad River Watershed Association
Ogeechee WMA	Georgia Department of Natural Resources
Piedmont National Wildlife Refuge	U.S. Fish & Wildlife Service
Raven Cliffs Wilderness	U.S. Forest Service
Roberta Crittenden Easement	Sautee-Nacoochee Community Association Land Trust
Santee National Wildlife Refuge	U.S. Fish & Wildlife Service
Santee State Park	South Carolina Department of Parks, Recreation & Tourism
Savannah Coastal National Wildlife Refuge	U.S. Fish & Wildlife Service
Sumter National Forest	U.S. Forest Service
Tallalah Gorge State Park	Georgia Department of Natural Resources
Tray Mountain Wilderness	U.S. Forest Service
Tuckahoe WMA	Georgia Department of Natural Resources
Unicoi State Park	Georgia Department of Natural Resources
Victoria Bryant State Park	Georgia Department of Natural Resources
Watson Mill Bridge State Park	Georgia Department of Natural Resources
Wilson Shoals WMA	Georgia Department of Natural Resources
Yuchi WMA	Georgia Department of Natural Resources

VR-1059

Route Description:

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	CAE 292/37	N34°04'00.00" W81°45'00.00"
01 AGL B 15 AGL to	B	AHN 126/32	N33°38'00.00" W82°49'00.00"
01 AGL B 15 AGL to	C	DBN 25/31	N33°02'00.00" W82°35'00.00"
01 AGL B 15 AGL to	D	DBN 51/38	N32°58'12.00" W82°15'00.00"
01 AGL B 15 AGL to	E	DBN 59/44	N32°56'30.00" W82°06'00.00"
01 AGL B 15 AGL to	F	VAN 221/53	N32°45'00.00" W81°03'00.00"
01 AGL B 15 AGL to	G	VAN 214/49	N32°45'30.00" W80°54'30.00"
01 AGL B 15 AGL to	H	VAN 190/40	N32°48'00.00" W80°30'00.00"
01 AGL B 15 AGL to	I	VAN 160/15	N33°15'00.00" W80°19'00.00"
01 AGL B 15 AGL to	J	VAN 93/33	N33°30'00.00" W79°47'00.00"
01 AGL B 15 AGL to	K	FLO 119/11	N34°09'00.00" W79°27'00.00"
Alternate Exit/Entry: D			
01 AGL B 15 AGL to	D	DBN 51/38	N32°58'12.00" W82°15'00.00"
01 AGL B 15 AGL to	D1	DBN 43/47	N33°08'00.00" W82°12'30.00"
01 AGL B 15 AGL to	D2	DBN 37/50	N33°14'30.00" W82°15'06.00"
01 AGL B 15 AGL to	D3	DBN 34/51	N33°16'30.00" W82°16'12.00"
01 AGL B 15 AGL to	D4	DBN 30/52	N33°18'48.00" W82°19'48.00"

Route Width:

10 NM either side of centerline from A to B;
 10 NM right and 6 NM left of centerline from B to C;
 10 NM right and 9 NM left of centerline from C to E;
 10 NM either side of centerline from E to F;
 5 NM either side of centerline from F to K;
 For R-3004 ingress from D to D4, 3 NM left of centerline,
 4 NM right of centerline.

Land Use Summary:

VR-1059 extends from eastern South Carolina into eastern Georgia and back into southeastern South Carolina. The land uses in both states are primarily agriculture, forestry, and rural towns. The MTR overlies the Francis Marion National Forest, the Ninety Six National Historic Site, numerous WMAs, and several state parks (Magnolia Springs, Givhans Ferry, Hamburg, and A.H. Stephens).

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
A.H. Stephens State Historic Park	Georgia Department of Natural Resources
ACE Basin National Wildlife Refuge	U.S. Fish & Wildlife Service
Big Dukes Pond Preserve	The Nature Conservancy of Georgia
Clark Hill WMA	Georgia Department of Natural Resources
Dilane WMA	Georgia Department of Natural Resources
Fishing Creek WMA	Georgia Department of Natural Resources
Francis Marion National Forest	U.S. Forest Service
Germany Creek WMA	Georgia Department of Natural Resources
Givhans Ferry State Park	South Carolina Department of Parks, Recreation & Tourism
Hamburg State Park	Georgia Department of Natural Resources
Magnolia Springs State Park	Georgia Department of Natural Resources
Ninety Six National Historic Site	National Park Service
Ogeechee WMA	Georgia Department of Natural Resources
Piedmont National Wildlife Refuge	U.S. Fish & Wildlife Service
Savannah Coastal National Wildlife Refuge	U.S. Fish & Wildlife Service
Soap Creek WMA	Georgia Department of Natural Resources
Sumter National Forest	U.S. Forest Service
Tuckahoe WMA	Georgia Department of Natural Resources
Yuchi WMA	Georgia Department of Natural Resources

VR-1060**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	FLO 82/38	N34°21'00.00" W78°54'00.00"
05 AGL B 15 AGL to	B	FLO 61/51	N34°41'00.00" W78°47'00.00"
05 AGL B 15 AGL to	C	FLO 43/120	N35°45'00.00" W78°04'00.00"
05 AGL B 15 AGL to	D	FLO 41/124	N35°52'00.00" W78°06'00.00"
10 AGL B 15 AGL to	E	SBV 89/53	N36°46'00.00" W77°55'00.00"
05 AGL B 15 AGL to	F	SBV 55/20	N36°53'00.00" W78°42'00.00"
05 AGL B 15 AGL to	G	SBV 350/13	N36°53'00.00" W79°05'00.00"
05 AGL B 15 AGL to	H	SBV 298/32	N36°53'00.00" W79°37'00.00"

Route Width:

5 NM either side of centerline.

Land Use Summary:

VR-1060 extends from southern North Carolina north into southern Virginia. The primary land uses include agriculture, forestry and small towns. The MTR passes over the Bladen Lakes State Forest and Jones Lake and Lumber River State Parks.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Bladen Lakes State Forest	North Carolina Division of Forest Resources
Bushy Lake State Natural Area	North Carolina Division of Parks & Recreation
Cedar Swamp Seep Preserve	The Nature Conservancy
Howell Woods Environmental Learning Center	Johnston Community College
Jones Lake State Park	North Carolina Division of Parks & Recreation
Lumber River State Park	North Carolina Division of Parks & Recreation
Sampson County Game Land	North Carolina Wildlife Resources Commission
Staunton River Bridge Battlefield State Park	Virginia Department of Conservation & Recreation
Suggs Millpond Game Land	North Carolina Wildlife Resources Commission
White Oak Mountain WMA	Virginia Department of Game & Inland Fisheries

VR-1061**Route Description:**

<i>Altitude Data</i>	<i>Point</i>	<i>Facility/Radius/Distance</i>	<i>Latitude/ Longitude</i>
As assigned to	A	LVL 200/3	N36°46'00.00" W77°55'00.00"
05 AGL B 15 AGL to	B	SBV 55/20	N36°53'00.00" W78°42'00.00"
05 AGL B 15 AGL to	C	SBV 350/13	N36°53'00.00" W79°05'00.00"
05 AGL B 15 AGL to	D	SBV 323/6	N36°45'00.00" W79°06'00.00"
05 AGL B 15 AGL to	E	SDZ 24/56	N36°05'00.00" W79°11'00.00"
10 AGL B 15 AGL to	F	SDZ 26/26	N35°37'00.00" W79°23'00.00"
05 AGL B 15 AGL to	G	SDZ 26/11	N35°23'00.00" W79°30'00.00"

Route Width:

5 NM either side of centerline.

Land Use Summary:

VR-1061 is located in north-central North Carolina and southern Virginia. Principal land uses include agriculture, forestry, and small, rural towns. Special use areas include the Occoneechee Mountain and Staunton River Bridge Battlefield State Park.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Caswell Game Land	North Carolina Wildlife Resources Commission
Occoneechee Mountain State Park	North Carolina Division of Parks & Recreation
Staunton River Bridge Battlefield State Park	Virginia Department of Conservation & Recreation

RESTRICTED AREA

R-6002 Boundary Description

Beginning at lat. 33°54'25"N., long. 80°24'11"W., to lat. 33°46'26"N., long. 80°23'11"W.; to lat. 33°44'28"N., long. 80°31'41"W.; to lat. 33°50'14"N., long. 80°31'02"W.; to lat. 33°53'38"N., long. 80°31'02.; to the point of beginning.

Land Use Summary:

R-6002 (Poinsett Electronic Combat Range [ECR]) is located in Sumter County, South Carolina. Primary land uses include agriculture and forestry. A portion of the Manchester State Forest, which permits hunting and timber harvesting, is under R-6002. Poinsett State Park is east of the range. Section 3.5.1 briefly describes the Manchester State Forest and Poinsett State Park.

Presence of Special Use Areas:

Manchester State Forest	South Carolina Forestry Commission
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MOAs

Bulldog MOAs

Bulldog A Boundary Description

Beginning at lat. 33°01'01"N., long. 82°52'30"W.; to lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to lat. 33°13'01"N., long. 82°08'59"W.; to lat. 33°05'46"N., long. 82°04'29"W.; to lat. 32°50'01"N., long. 82°00'59"W.; to lat. 32°37'51"N., long. 82°43'59"W.; to the point of beginning.

Bulldog B Boundary Description

Beginning at lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to lat. 33°13'01"N., long. 82°08'59"W.; to lat. 33°13'01"N., long. 81°58'59"W.; to lat. 32°54'01"N., long. 81°50'29"W.; to lat. 32°34'01"N., long. 81°55'59"W.; to lat. 32°33'46"N., long. 81°57'49"W.; to lat. 32°32'46"N., long. 82°03'44"W.; to lat. 32°34'31"N., long. 82°25'29"W.; to lat. 32°37'51"N., long. 82°43'59"W.; to lat. 33°01'01"N., long. 82°52'30"W.; to lat. 33°13'26"N., long. 82°31'29"W.; to the point of beginning

Bulldog D Boundary Description

Beginning at lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°21'16"N., long. 82°18'46"W.; to lat. 33°17'30"N., long. 82°22'59"W.; to lat. 33°16'21"N., long. 82°17'59"W.; to lat. 33°19'44"N., long. 82°12'14"W.; to lat. 33°21'54"N., long. 82°12'14"W.; to lat. 33°13'01"N., long. 82°08'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to the point of beginning.

Land Use Summary:

The A and B portions of the Bulldog MOA are located in the middle-eastern section of Georgia over portions of Burke, Jenkins, Bulloch, Emanuel, Johnson, Washington, Glascock, and Washington counties. The primary land uses under the MOA include agriculture (cotton,

peanuts, tobacco, corn, swine, poultry), forestry, and small rural towns. Magnolia Springs and George L. Smith State Park is located under the MOA. The Fort Gordon Military Reservation is north of the MOA.

Presence of Special Use Areas:

<i>Name</i>	<i>Responsible Agency</i>
Big Dukes Pond Preserve	The Nature Conservancy of Georgia
Dilane WMA	Georgia Department of Natural Resources
Dilane WMA	Georgia Department of Natural Resources
George L. Smith State Park	Georgia Department of Natural Resources
Magnolia Springs State Park	Georgia Department of Natural Resources
Ochoopee Dunes Natural Area	Georgia Department of Natural Resources
Piedmont National Wildlife Refuge	U.S. Fish & Wildlife Service
Savannah Coastal National Wildlife Refuge	U.S. Fish & Wildlife Service
Yuchi WMA	Georgia Department of Natural Resources

Gamecock MOAs

Gamecock B Boundary Description

Beginning at lat. 33°49'01"N., long. 79°18'29"W.; to lat. 33°38'01"N., long. 79°07'29"W.; to lat. 33°25'31"N., long. 79°25'29"W.; to lat. 33°24'01"N., long. 79°36'59"W.; to the point of beginning.

Gamecock C Boundary Description

Beginning at lat. 33°49'01"N., long. 79°41'29"W.; to lat. 33°50'31"N., long. 79°24'59"W.; to lat. 33°50'31"N., long. 79°20'29"W.; to lat. 33°49'01"N., long. 79°18'29"W.; to lat. 33°38'01"N., long. 79°07'29"W.; to lat. 33°25'31"N., long. 79°25'29"W.; to lat. 33°24'01"N., long. 79°36'59"W.; to lat. 33°24'39"N., long. 79°48'27"W.; to the point of beginning.

Gamecock D Boundary Description

Beginning at lat. 33°53'01"N., long. 79°54'59"W.; to lat. 33°50'01"N., long. 79°47'59"W.; to lat. 33°49'01"N., long. 79°41'29"W.; to lat. 33°50'31"N., long. 79°24'59"W.; to lat. 33°50'31"N., long. 79°20'29"W.; to lat. 33°49'01"N., long. 79°18'29"W.; to lat. 33°24'01"N., long. 79°36'59"W.; to lat. 33°25'01"N., long. 79°54'59"W.; to lat. 33°32'31"N., long. 80°15'59"W.; to the point of beginning.

Gamecock I Boundary Description

Beginning at lat. 34°44'26"N., long. 80°38'59"W.; to lat. 34°36'01"N., long. 80°22'59"W.; to lat. 34°28'15"N., long. 80°24'26"W.; to lat. 34°16'01"N., long. 80°45'19"W.; to lat. 34°38'31"N., long. 80°51'59"W.; to the point of beginning.

Land Use Summary:

The B, C, and D portions of the Gamecock MOA are located in eastern South Carolina over portions of Williamsburg, Clarendon, Berkeley, Florence, Georgetown, and Marion counties. Agriculture (tobacco, corn, wheat, soybeans), forestry, and small towns are the primary land uses under the MOA. The MOA is over a small portion of the Francis Marion National Forest and is just outside the Santee NWR and Lake Marion. The Gamecock I MOA is located over

portions of Kershaw, Lancaster, and Fairfield counties in north central South Carolina, and overlies portions of the Wateree Lake.

REFERENCES

Department of Defense. 2001. DoD Flight Information Publication. Area Planning Military Training Routes, North and South America.

Loyola. 2002. Special Use Area Geographic Information System Data - Southeastern United States.